

# Our Current State

Achievement

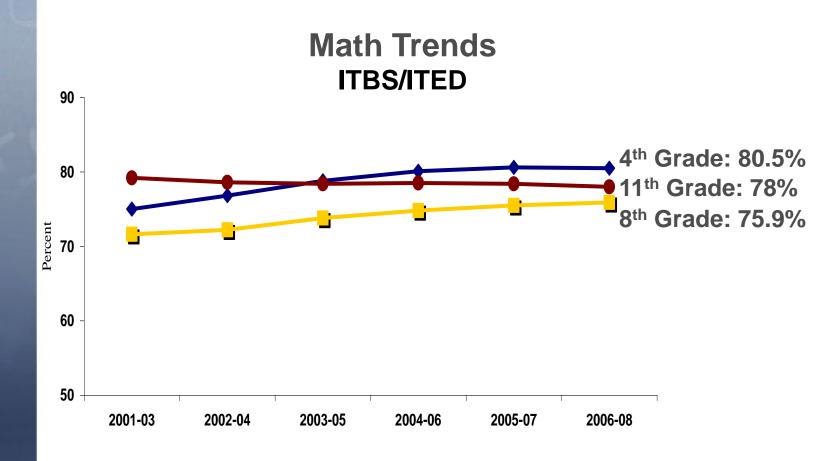
- Course-taking patterns
- Graduation rates

- Postsecondary
- Teacher supply and demand

# b2-4ac Desired State

Iowa Core Curriculum

- 21st Century Skills
- Teaching & Learning
- Assessment

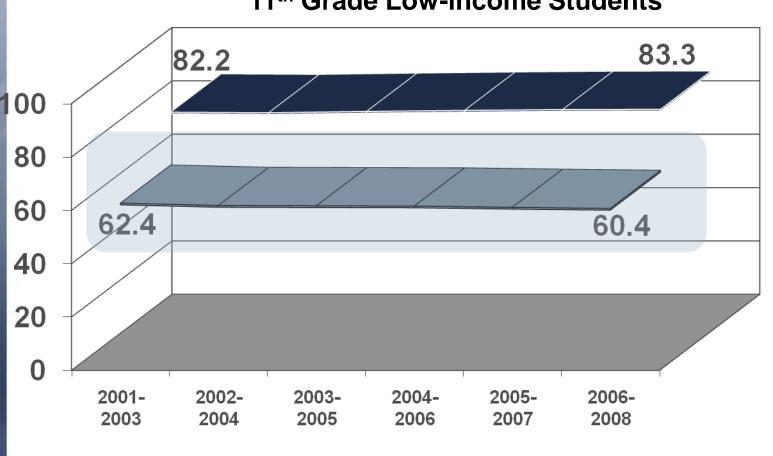


11<sup>th</sup> Grade *Math*Percent Proficient

	2001-03	2006-08	
Asian	<b>78.6</b> %	77.7%	- 0.9%
American Indian	61.3%	63.1%	+1.8%
African American	43.8%	44.7%	+ 0.9%
Hispanic	<b>52.8</b> %	<b>54.3</b> %	+ 1.5%
White	81.1%	80.6%	- 0.5%

ITED Math

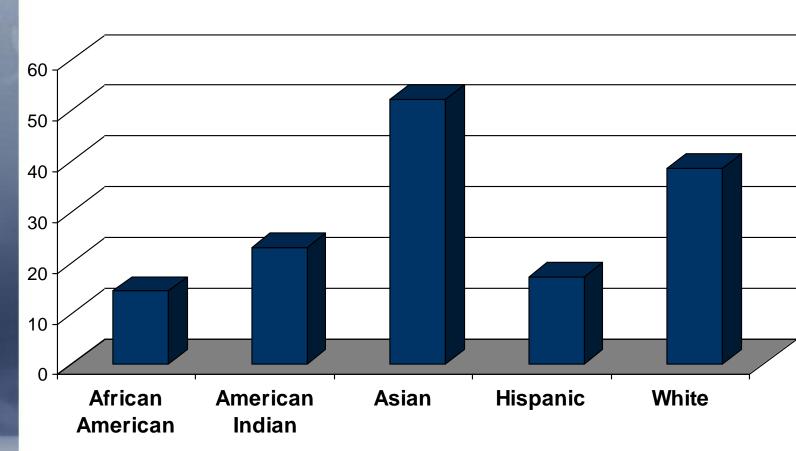
11th Grade Low-income Students



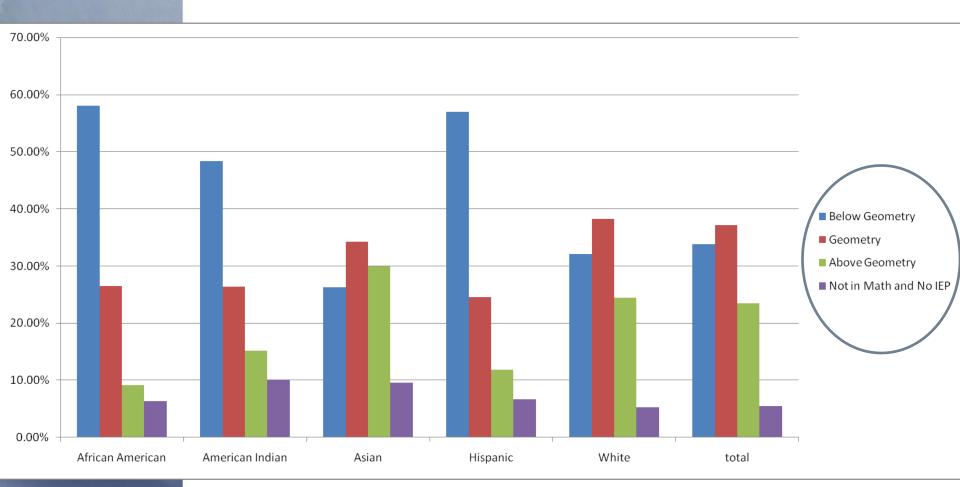
Not Eligible for Free or Reduced Meals

Eligible for Free or Reduced Meals

# Percent of Students Taking Higher-level *Math*



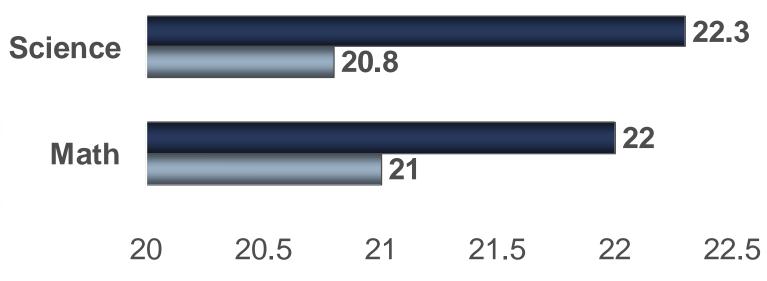
Class of 2008: Enrollment of Math Courses



What Students are Learning...

District Size	Higher-level Math	Chemistry	Physics	Foreign Language
<300	29.5%	59.4%	24.1%	77.7%
300-599	30.8	58.4	23.6	79.0
600-999	34.1	59.9	23.1	81.1
1,000-2,499	40.4	60.7	23.9	81.6
2,500-7,499	43.2	64.8	25.4	82.9
7,500+	34.3	54.4	26.6	78.3
State	37.1	59.4	24.8	80.5





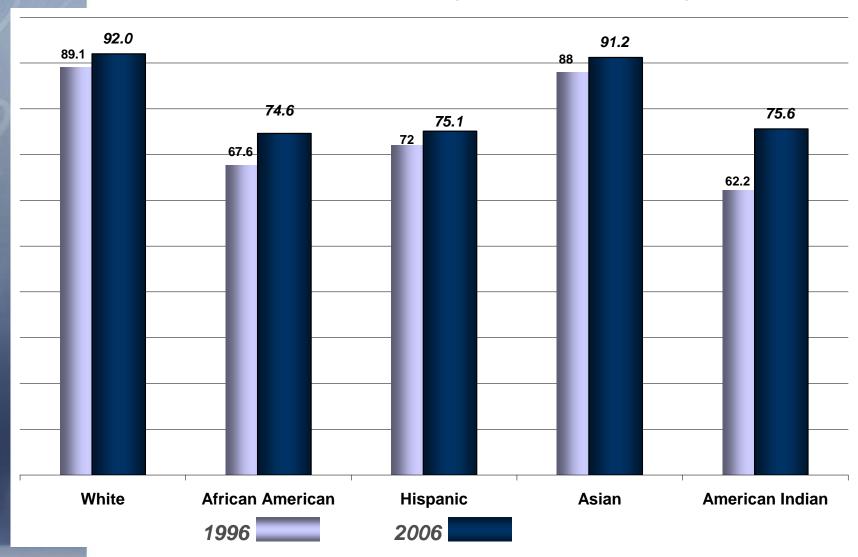




# **ACT Scores**2008 Graduating Class by Race/Ethnicity

All Students	22.4
African-American	17.8
American Indian	20.9
Caucasian American	22.5
Hispanic	20.1
Asian American	22.7
Other/No Response	22.8

### **Graduation Rate by Race/Ethnicity**

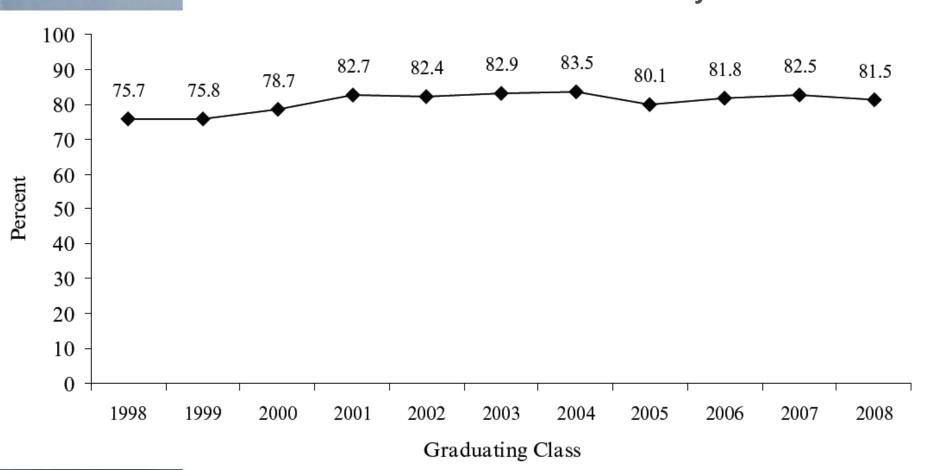




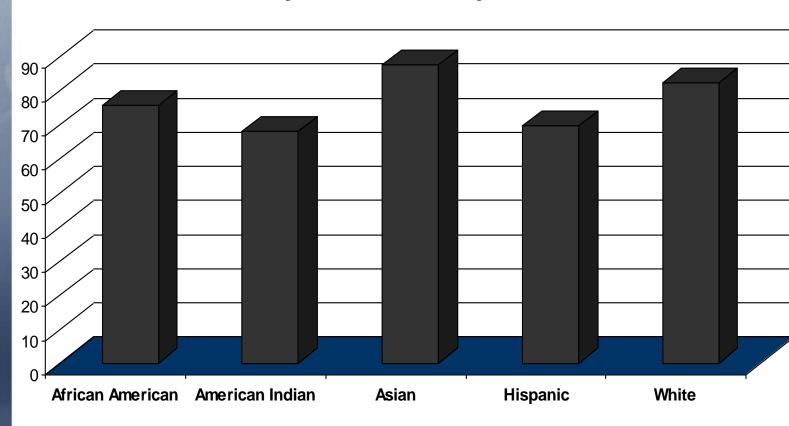
90.5% graduation rate, among top in nation

**81.5%** plan to pursue additional training or college after high school

### **Intentions to Pursue Postsecondary Education**



# Intentions to Pursue Postsecondary Education By Race/Ethnicity



# Teacher Shortages: Math/Science

7-12 Math Teachers

Ready to Retire **214** 

Biology Teac<u>hers</u>

Ready to Retire 185

Chemistry Teachers

Ready to Retire 116

Physics Teachers

Ready to Retire **101** 

Projected Graduates 120

Projected Graduates 85

Projected Graduates 38

Projected Graduates

# **Desired State**

Core concepts & skills for all students regardless of postsecondary goals or career track.

Literacy

Reading, Writing, Viewing, Speaking, Listening

### **Mathematics**

Problem Solving; Communication; Reasoning and Proof; Ability to recognize, make, and apply connections; Ability to construct and apply multiple connected representations

Science
Science as Inquiry, Earth and Space Science, Life
Science, Physical Science

Social Studies
Behavioral Sciences, Economics, Geography,
History, Political Science/Civic Literacy

21st Century Skills
Financial Literacy

Health Literacy

Civic Literacy

Technology Literacy

**Employability Skills** 

Global Literacy – yet to come

### Financial Literacy

- Demonstrate financial responsibility and planning skills to achieve financial goals for a lifetime of financial health
- Manage money effectively by developing spending plans and selecting appropriate financial instruments to maintain positive cash flow
- Make informed and responsible decisions about incurring and repaying debt to remain both creditworthy and financially secure
- Evaluate and identify appropriate risk management options, including types of insurance, non-insurance, and identity protection
- Assess the value, features, and planning processes associated with savings, investing, and asset building, and apply this knowledge to achieve long-term financial security with personal and entrepreneurial goals in a global market
- Understand human, cultural, and societal issues related to financial literacy, and practice legal and ethical behavior

# Beyond "basic" to skills for today & tomorrow

99%

 Of voters say our country's future economic success is teaching & learning 21st century skills.

80%

 Of voters say the skills students need for today's jobs is different than 20 years ago

# b'-4ac Teaching & Learning

- High Expectations
- Engagement
- "Mile deep inch wide"

# **Assessment: For what?**

- 1. Accountability
- 2. High-stakes decisions
- 3. Information
- 4. Alignment
- 5. Beyond easy to measure
  - Knowledge & Skills
- 6. Different forms for what & who?
  - Formative Adjust instruction
  - Summative

### **Accountability**

- Iowa Tests

### **Summative**

- District assessments

### **Formative**

- Teacher driven at the classroom level

### **Benchmarks**

- District/classroom



